

traversed and reconsideration of the claims is respectfully requested in view of the following remarks.

The Examiner is thanked for the allowance of claims 2, 7, 8, 13, and 19 as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The rejection of claims 1 and 12 under 35 U.S.C. § 103(a) as being unpatentable over Lee in view of Hanazawa et al. is traversed and reconsideration is respectfully requested.

Independent claim 1 is allowable over the cited art in that claim 1 recites a combination of elements including, for example "...first and second data lines... wherein each one of the first and second data lines has longitudinally separated first and second regions; ...a pixel electrode disposed in the pixel region, the pixel electrode overlapping one of the first and the second regions of the first data line, the pixel electrode overlapping one of the first and second regions of the second data line such that one of the first and second regions of the first data line and one of the first and second regions of the second data line are not overlapped by the pixel electrode." None of the cited references including Lee or Hanazawa et al., singly or in combination, teaches or suggest each and every feature of the claimed invention. Accordingly, Applicant respectfully submits that independent claim 1 and claims 2-11, which depend therefrom are allowable over the cited references.

Independent claim 12 is allowable over the cited art in that claim 12 recites a combination of elements including, for example "... forming first and second data lines... wherein each one of the first and second data lines has longitudinally separated first and second regions; ... forming a pixel electrode in the pixel region to overlap one of the first and the second regions of the first data line, and to overlap one of the first and second regions of the second data line such that one of the first and second regions of the first data line and one of the first and second regions of the second data line are not overlapped by the pixel electrode." None of the cited references including Lee or Hanazawa et al., singly or in combination, teaches or suggest each and every feature of the claimed invention. Accordingly, Applicant respectfully submits that independent claim 12 and claims 13-22, which depend therefrom are also allowable over the cited references.

The Examiner cites Lee as disclosing "...wherein each of the first data line (22n-1) and the second data line (22n) has longitudinally separated first and second regions (i.e., the data lines are overlapped by the pixel electrode 26n)..." but as failing to disclose "that one of the first and second regions of the first data line and one of the first and second regions of the second data line are not overlapped by the pixel electrode, i.e., the adjacent pixel electrodes are not overlapped each other." The Examiner attempts to cure the deficiencies of Lee citing Hanazawa et al. as disclosing "that the adjacent pixel electrodes (51) and (54) are not overlapped, and the pixel electrode (51) overlaps the a region of the first data line (50a) and a region of the second data line (50b) and the capacitive coupling between the pixel electrode (54) and the data line (50a) can be reduced uniformly..." and concluding "...it would have been obvious to... arrange the adjacent pixel electrodes are not overlapped as claimed in claims 1 and 12 for improving the image quality."

To establish *prima facie* obviousness of a claimed invention, all the claim limitations must be taught or suggested by the references when combined. See M.P.E.P. § 2413. Applicant respectfully submits a *prima facie* case of obviousness has not been established. For example, Hanazawa et al. does not teach or suggest "wherein each one of the first and second data lines has longitudinally separated first and second regions . . . a pixel electrode overlapping one of the first and the second regions of the first data line [and] overlapping one of the first and second regions of the second data line such that one of the first and second regions of the first data line and one of the first and second regions of the second data line are not overlapped by the pixel electrode," as recited by at least claim 1. Moreover, Hanazawa does not teach or suggest "first and second data lines [having] longitudinally separated first and second regions . . . forming a pixel electrode in the pixel region to overlap one of the first and second regions of the first data line, and to overlap one of the first and second regions of the second data line such that one of the first and second regions of the first data line and one of the first and second regions of the second data line are not overlapped by the pixel electrode," as recited by at least claim 12.

Applicant respectfully submits the deficiencies of Lee have been interpreted too broadly by observing Lee does not show the "adjacent pixel electrodes are not overlapped each other" (see Office Action, first full paragraph at page 3). Further, assuming *arguendo* that Hanazawa et al. does cure the broadly interpreted deficiencies of Lee by teaching "the adjacent

pixel electrodes (51) and (54) are not overlapped" (see Office Action, second full paragraph at page 3), Applicant respectfully submits Hanazawa et al. does not automatically cure the deficiencies of Lee with respect to the combination of actual claim elements. Indeed, as set forth above, Applicant respectfully submits Hanazawa et al. is silent as to at least the aforementioned claim features. Accordingly, Applicant respectfully submits a *prima facie* case of obviousness has not been established with respect to the aforementioned combination of claim elements.

The rejection of claims 3-6, 9-11, 14-18, and 20-22 under 35 U.S.C. § 103(a) as being unpatentable over Lee in view of Hanazawa et al. and further in view of Takemura is traversed and reconsideration is respectfully requested.

Claims 3-6 and 9-11 include all of the limitations of claim 1, as discussed above, and Lee in view of Hanazawa et al. fails to teach or suggest at least these features of independent claim 1, as recited above. Similarly, Takemura fails to cure the deficiencies of Lee in view of Hanazawa et al.. Accordingly, Applicant respectfully submits that the Examiner has not established a *prima facie* case of obviousness regarding claims 3-6 and 9-11 in view of claim 1, as above.

Claims 14-18 and 20-22 include all of the limitations of claim 12, as discussed above, and Lee in view of Hanazawa et al. fails to teach or suggest at least these features of independent claim 12, as recited above. Similarly, Takemura fails to cure the deficiencies of Lee in view of Hanazawa et al.. Accordingly, Applicant respectfully submits that the Examiner has not established a *prima facie* case of obviousness regarding claims 14-18 and 20-22 in view of claim 12, as above.

In view of the above, each of the presently pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to withdraw the outstanding rejection of the claims and to pass this application to issue.

If the Examiner deems that a telephone call would further the prosecution of this application, the Examiner is invited to call the undersigned at (202) 496-7500. All correspondence should continue to be sent to the below-listed address.

If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136. Please credit any overpayment to deposit Account No. 50-0911.

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Respectfully submitted,

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